

RECONFIGURABLE SPEAKER SYSTEM

ABSTRACT

A reconfigurable speaker system for producing sound in response to at least one of right and left channel audio signals generated by an audio source. The speaker system can be configured by the user to simultaneously reproduce right and left channel audio information from a single speaker, or the speaker system can be configured to reproduce right and left channel audio information independently from a pair of speakers. The speaker system includes a dual voice coil woofer and a pair of independent tweeters. A switch device is provided in circuit with the woofer and pair of tweeters so that in one position of the switch device, the dual voice coil woofer is configured to produce sound in response to both of the right and left channel audio signals, and each tweeter in the tweeter pair is configured to produce sound in response to a respective one of the right and left channel audio signals. In a second position of the switch device, the dual voice coil woofer is configured to produce sound in response to only one of the right and left channel audio signals, and both of the tweeters are configured to produce sound in response to the same right or left channel as the woofer. The speaker system is designed so that the sound pressure level of the speaker is the same in either of the two uses selected configurations.

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